

**DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

**METHOD AND APPARATUS FOR ESTIMATION OF COMPONENT  
GATING AND SHORTAGE RISK IN MANUFACTURING OPERATIONS**

which (check) ☐ is attached hereto.  
☐ and is amended by the Preliminary Amendment attached hereto.  
☒ was filed on August 29, 2001 as Application Serial No. 09/942,249  
☐ and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
60/229,840	August 31, 2000

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
N/A		

I hereby appoint the following practitioners to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Customer Number 27869

Please address all correspondence and telephone calls to:

Samuel G. Campbell III  
**SKJERVEN MORRILL MacPHERSON LLP**  
 25 Metro Drive, Suite 700  
 San Jose, California 95110-1349  
 Telephone: 512-794-3600  
 Facsimile: 512-794-3601

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Full name of first joint inventor: Balazs Kralik

Inventor's Signature: 

Date:

02-15-2002

Residence:

Berkeley, California

Post Office Address:

2926 Hillegass Avenue

Citizenship:

Hungary

Berkeley, California 94705

Full name of second joint inventor:

Michael Goldbach

Inventor's Signature: 

Date:

2/21/2002

Residence:

Berkeley, California

Post Office Address:

2418 Browning Street

Citizenship:

Canada

Berkeley, California 94702

Full name of third joint inventor:

Paul Dagum

Inventor's Signature: 

Date:

2/21/02

Residence:

San Francisco, California

Post Office Address:

435 Locust Street, Apt. 8

Citizenship:

Canada

San Francisco, California 94018

815758 v1

## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Balazs Kralik  
Michael Goldbach  
Paul Dagum

of Berkeley, California  
of Berkeley, California  
of San Francisco, California

hereby sell, assign and transfer to **RAPT, INC.**, a California corporation, having a place of business at **625 Second Street, San Francisco, California 94107**, its successors and assigns, the entire right, title and interest throughout the world in our invention in

### METHOD AND APPARATUS FOR ESTIMATION OF COMPONENT GATING AND SHORTAGE RISK IN MANUFACTURING OPERATIONS

for which we filed a United States Patent Application on August 29, 2001, which now has Serial No. 09/942,249, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 15 day of February, 2002

Balazs Kralik  
Balazs Kralik

State of PA )

) ss.  
County of Phila )

On February 15<sup>th</sup> 2002 before me, Karen Lombardi  
personally appeared Balazs Kralik personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Karen Lombardi

SIGNATURE OF NOTARY

Notary Seal  
Karen Lombardi, Notary Public  
Philadelphia, Philadelphia County  
My Commission Expires Dec. 8, 2003  
Member, Pennsylvania Association of Notaries

Executed this 6 day of December, 2001.

  
Michael Goldbach

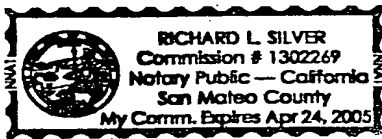
State of California )  
 ) ss.

County of San Francisco

On December 6, 2001 before me, Richard L. Silver  
personally appeared Michael Goldbach personally known to me or proved to me on the basis  
of satisfactory evidence to be the person whose name is subscribed to the within instrument  
and acknowledged to me that he executed the same in his authorized capacity, and that by his  
signature on the instrument the person, or the entity upon behalf of which the person acted,  
executed the instrument.

WITNESS my hand and official seal.

  
SIGNATURE OF NOTARY



Executed this 6 day of December, 2001.

  
Paul Dagum

State of California )  
 ) ss.

County of San Francisco

On December 6, 2001 before me, Richard L. Silver  
personally appeared Paul Dagum personally known to me or proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument and  
acknowledged to me that he executed the same in his authorized capacity, and that by his  
signature on the instrument the person, or the entity upon behalf of which the person acted,  
executed the instrument.

WITNESS my hand and official seal.

  
SIGNATURE OF NOTARY

